



**WATER MANAGEMENT DIVISION
MONTHLY REPORT**

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**RESERVOIR OPERATION AND SYSTEM STATUS
FOR SEPTEMBER 2000**

HIGHLIGHTS – Cairo began the month at 16.8' and ended at 19.9'. Normal stage for September is 16 feet.

WEATHER –The weather during September was cool and generally moist. Temperatures averaged from normal to 3 degrees below normal as the fall transition has begun. Precipitation was generally well above normal for the month for all areas from mid Kentucky north. Tennessee again had below normal rainfall this month.

The following table summarizes temperature and precipitation for September:

TEMPERATURE AND PRECIPITATION – SEPTEMBER 2000

	TEMPERATURE		PRECIPITATION	
STATION	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	62.3	-1.6	3.07	+0.10
Charleston, WV	65.7	-2.0	2.88	-0.36
Columbus, OH	64.8	-0.7	4.18	+1.22
Cincinnati, OH	64.8	-2.4	4.78	+1.90
Louisville, KY	68.0	-1.5	5.36	+2.20
Indianapolis, IN	65.2	-1.4	4.82	+1.95
Evansville, IN	67.3	-1.9	5.03	+2.06
Nashville, TN	71.3	-0.5	1.90	-1.56

STREAMFLOW -- Ohio River monthly average flows for September ranged from a low of 103 percent of normal at Paducah, KY to a high of 151 percent of normal at Louisville, KY. Daily flows ranged from a low of 45 percent of normal at Evansville, IN to a high of 453 percent of normal at Louisville, KY.

The following table presents the flow data summary for September at the Ohio River Index Stations:

FLOW DATA – SEPTEMBER 2000

STATION	AVERAGE MONTHLY FLOW	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
	CUBIC FEET/SECOND		HIGH	LOW
Pittsburgh, PA	13,975	138	358	72
Huntington, WV	32,900	144	372	74
Cincinnati, OH	38,333	134	395	70
Louisville, KY	44,233	151	453	68
Evansville, IN	44,300	125	360	45
Paducah, KY	88,900	103	260	58

RESERVOIRS -- September started with 0.5% utilization of the total system flood control storage and ended the month at 1.5%. System-wide augmentation storage decreased from 95.9% at the beginning of the month to 94.1% by the end of the month. Significant flood storage utilization in excess of 25% occurred at three reservoir projects during September: 32.0% at Stonewall Jackson, 26.3% at Tygart, and 29.0% at Milton.

The following table depicts storage change by tributary reservoir subsystem for September:

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	(ACRE-FEET)
Allegheny-Monongahela-Beaver	-118,200
Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	-87,700
Twelvepole-Big Sandy-Little Sandy-Scioto	-17,800
Little Miami-Licking-Mill Creek-Great Miami	-1,300

Kentucky-Salt-Green-Wabash	-20,800
Cumberland	-490,800
TOTAL	-736,600

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